

Attorney's Docket No. K&A 23-0699  
Client's Docket No. 16143

**APPLICATION**

**FOR UNITED STATES LETTERS PATENT**

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**SPECIFICATION**

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT I, **JOSEPH VILLAMAR**, a citizen of  
UNITED STATES OF AMERICA, have invented a new and useful  
**WRIST SUPPORT DEVICE** of which the following is a  
specification:

# WRIST SUPPORT DEVICE

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## BACKGROUND OF THE INVENTION

### Field of the Invention

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The present invention relates to ergonomic computer peripherals and more particularly pertains to a new wrist support device for supporting a wrist of a user while the user is using a computer mouse.

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### Description of the Prior Art

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The use of ergonomic computer peripherals is known in the prior art. U.S. Patent No. 6,300,941 describes a device for providing input into a computer that has no adverse effects on the hand of the user when the user is using the device. Another type of ergonomic computer peripheral is U.S. Patent No. 5,894,302 having a housing for computer mouse that is ergonomic and reduces the occurrence of repetitive strain injuries to the hand of the user.

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U.S. Patent No. 6,590,564 has a computer input device that comfortably supports the hand of the user to allow access to all the actuators of the input device while maintaining the hand and arm in a comfortable position.

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While these devices fulfill their respective, particular objectives and requirements, the need remains for a device that has

certain improved features for supporting the wrist of the user when the user is using a computer mouse.

## 5 SUMMARY OF THE INVENTION

The present invention meets the needs presented above by providing a cushion member that extends upwardly from a base member and supports the wrist of the user when the base member is  
10 coupled to the computer mouse.

Still yet another object of the present invention is to provide a new wrist support device that supports and reduces the strain on the wrist of a user using a computer mouse for any length of time.

15 Even still another object of the present invention is to provide a new wrist support device that is easily coupled to the computer mouse and does not impede the use of the computer mouse.

20 To this end, the present invention generally comprises a base member being designed for being selectively coupled to the computer mouse. A cushion member is coupled to the base member whereby the cushion member extends upwardly from the base  
25 member. The cushion member is designed for supporting the wrist of the user to reduce the stress on the wrist of the user when a hand of the user is positioned on the computer mouse.

There has thus been outlined, rather broadly, the more  
30 important features of the invention in order that the detailed description thereof that follows may be better understood, and in order that the present contribution to the art may be better

appreciated. There are additional features of the invention that will be described hereinafter and which will form the subject matter of the claims appended hereto.

5           The objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure.

## 10   **BRIEF DESCRIPTION OF THE DRAWINGS**

          The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such  
15   description makes reference to the annexed drawings wherein:

          Figure 1 is a perspective view of a new wrist support device according to the present invention.

20           Figure 2 is a cross-sectional view of the present invention taken along line 2-2 of Figure 1.

## **DESCRIPTION OF THE PREFERRED EMBODIMENT**

25           With reference now to the drawings, and in particular to Figures 1 and 2 thereof, a new wrist support device embodying the principles and concepts of the present invention and generally designated by the reference numeral 10 will be described.

30           As best illustrated in Figures 1 and 2, the wrist support device 10 generally comprises a base member 12 being designed for being selectively coupled to the computer mouse 1.

A cushion member 14 is coupled to the base member 12 whereby the cushion member 14 extends upwardly from the base member 12. The cushion member 14 is designed for supporting the wrist of the user to reduce the stress on the wrist of the user when a  
5 hand of the user is positioned on the computer mouse 1.

The base member 12 comprises a receiving aperture 16. The receiving aperture 16 extends through the base member 12. The receiving aperture 16 is designed for receiving the computer mouse  
10 1 whereby the base member 12 extends around a periphery of a lower portion of the computer mouse 1. The base member 12 is designed for frictionally engaging the computer mouse 1 to selectively couple the base member 12 to the computer mouse 1. The receiving aperture 16 is designed for permitting the computer  
15 mouse 1 to function when the base member 12 is coupled to the computer mouse 1.

A base layer 18 is coupled to a bottom surface 20 of the base member 12. The base layer 18 is designed for abutting against a  
20 support surface whereby the base layer 18 slides across the support surface when the computer mouse 1 is being moved by the user. The base layer 18 comprises a low friction material. The low friction material is designed for sliding easily across the support surface to minimize resistance to the movement of the computer  
25 mouse 1 when the computer mouse 1 is being used by the user.

The cushion member 14 is arcuate whereby the cushion member 14 extends between opposing side edges 22 of the base member 12. The cushion member 14 is designed for supporting the

wrist of the user from a variety of angles of the wrist with respect to the computer mouse 1.

The cushion member 14 is positioned adjacent a rear edge 24  
5 of the base member 12. The cushion member 14 is positioned in spaced relationship from the receiving aperture 16 of the base member 12 to allow a heel of the hand of the user to be positioned between the computer mouse 1 and the cushion member 14 for greater comfort when the user is using the computer mouse 1.

10 The cushion member 14 comprises a compressible material, such as, but no limited to, foam rubber. The compressible material is designed for conforming to the wrist of the user to provide support and comfort for the wrist of the user when the user is using  
15 the computer mouse 1.

In use, the user inserts the computer mouse 1 into the receiving aperture 16 of the base member 12 and ensures the base member 12 is coupled to the computer mouse 1. The user then  
20 places a hand on the computer mouse 1 with the wrist of the user positioned on the cushion member 14. The base member 12 and the cushion member 14 are moved with the mouse to provide continuous support for the wrist of the user and to inhibit the wrist of the user being damaged from extended use of the computer mouse 1.

25 With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed  
30 readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and

described in the specification are intended to be encompassed by the present invention.

Therefore, the foregoing is considered as illustrative only of  
5 the principles of the invention. Further, since numerous  
modifications and changes will readily occur to those skilled in the  
art, it is not desired to limit the invention to the exact construction  
and operation shown and described, and accordingly, all suitable  
modifications and equivalents may be resorted to, falling within the  
10 scope of the invention.